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SURVEY FILES

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SOUTHERN FOREST EXPERIMENT STATION

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New Orleans, La.

GUM NAVAL STORES PRODUCTION, PRODUCING ACREAGE, AND NUMBER OF WORKING CUPS IN FOREST SURVEY UNIT #1, GEORGIA.

By

SOUTHERN FOREST SURVEY STAFF

I. F. Eldredge

Regional Director

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* - This is an advance release of Forest Survey data that will later be published in complete reports. This information is subject to such correction or amplification as may be found necessary as computations proceed.

[1] - The first three releases of this series have been issued as Occasional Papers 31, 34 and 36 of the Southern Forest Experiment Station.

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According to analysis of the field data of the Forest Survey in the Scuth, 6,976,000[1] acres of land in the thirty-five counties in southeast Georgia (Forest Survey Unit #1; see map on page 5) are covered with forest growth. This area excludes the Okefenokee Swamp and the coastal islands and marsh land, which were not surveyed. Of the forest area in this unit, 5,544,000 acres, or approximately 79 percent, are included in turpentine forests. This area includes, of course, the usual percentage of non-turpentine areas in swamps, bays, etc., such as are found in all turpentine orchards. Approximately 55 percent, or 3,032,000 acres of this turpentine forest area, is now being worked for naval stores. The remainder, 2,512,000, is for one reason or another, not being worked during the 1934-35 naval stores season.

The naval stores area is being worked by seven kinds of gum producers. These are defined below:

Operator. - A person who maintains a turpentine still and processes crude gum from his own or leased timber exclusively.

Operator and farmer. - An operator who combines farming with turpentining to the extent of at least half his time.

Operator and gum-buyer. - An operator who in addition to stilling gum from his own or leased timber, buys crude gum from producers, and, after processing, sells it in his own name.

Operator and custom-stiller. - An operator, who in addition to stilling gum from his own or leased timber, processes crude gum for producers who market the turpentine and rosin in their own names.

Operator, gum-buyer and custom-stiller. - An operator who is both a gum-buyer and a custom-stiller.

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[1]The area of the unit may be increased to a small extent by further computations.

Gum-producer-seller. - A person who does not maintain a still, but who works his own or leased timber for crude gum, which he sells to stillers.

Gum-producer-shipper. - A person without a still who works his own or leased timber for crude gum, which is custom-stilled and marketed in his own name.

AREA

Table 1 shows the working naval stores acreage for the 1934-35 season classified as owned and leased, and by types of operations producing crude gum.

Table 1. - Naval stores working acreage classified as owned and leased, and by types of operations producing crude gum - Survey Unit #1, Georgia, season 1934-35

Types of operations	Gross working acreage			Percent of total working acreage
	Owned	Leased	Total	
	Number of acres			
Operator	467,000	632,000	1,099,000	36
Operator and farmer	18,000	6,000	24,000	1
Operator and gum-buyer	197,000	476,000	673,000	22
Operator and custom-stiller	55,000	100,000	155,000	5
Operator, gum-buyer and custom-stiller	83,000	182,000	265,000	9
Gum-producer-seller	500,000[1]	85,000[1]	585,000[1]	19
Gum-producer-shipper	196,000[1]	35,000[1]	231,000[1]	8
Total	1,516,000	1,516,000	3,032,000	
Percent of total working acreage	50	50		100

[1]Estimated from information furnished by still operators.

CROPPAGE

Table 2 shows the present number of working crops classified as owned and leased and by types of operations.

Table 2. - Working naval stores crops classified as owned and leased and by types of operations - Survey Unit #1, Georgia, season 1934-35

Types of operations	Working crops			Percent of total working crops
	Owned	Leased	Total	
	Number of crops			
Operator	744.7	1,041.9	1,786.6	32
Operator and farmer	33.2	21.8	55.0	1
Operator and gum-buyer	365.4	1,005.5	1,370.9	25
Operator and custom-stiller	117.3	174.3	291.6	5
Operator, gum-buyer and custom-stiller	159.8	371.3	531.1	10
Gum-producer-seller	844.4[1]	149.0[1]	993.4[1]	18
Gum-producer-shipper	434.7[1]	76.7[1]	511.4[1]	9
Total	2,699.5	2,840.5	5,540.0	
Percent of total working crops	49	51		100

[1]Estimated from information furnished by still operators.

PRODUCTION 1933-34

No figures on the number of naval stores operations or the naval stores croppage or production for the season 1933-34 were obtained directly on the line plot survey. These figures were secured by means of a supplemental study of the gum naval stores operations in the unit made by C. H. Coulter, who was loaned to the Survey by the Bureau of Chemistry and Soils and the Florida Forest Service. The gum naval stores production and croppage data shown in Table 3 are based on the figures furnished by the individual still operators. In many cases it was possible to confirm the production figures by sales records and by factors accounts. It has not been possible to check the 1933-34 croppage figures furnished by the operators.

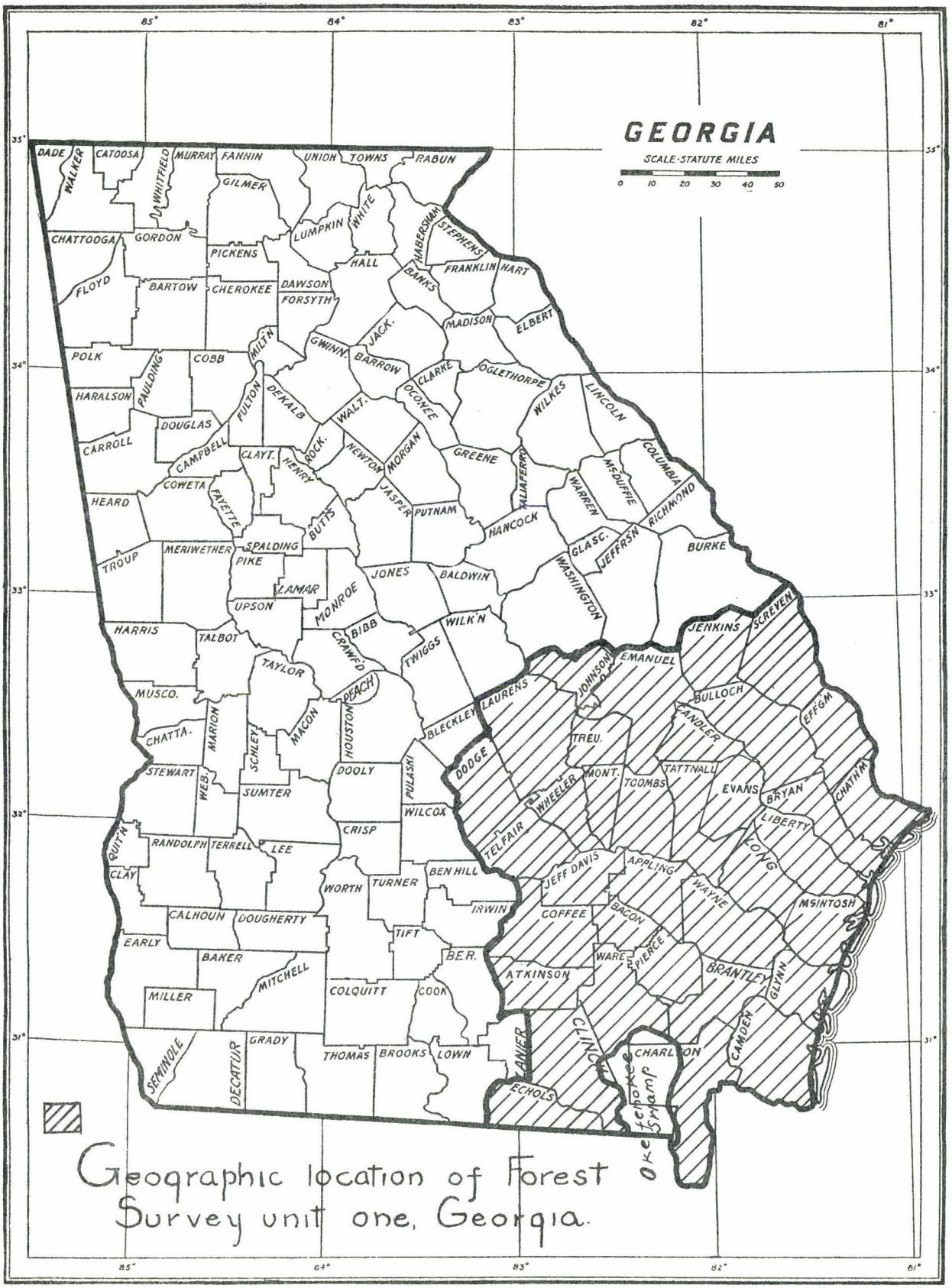
Table 3. - Naval stores production classified by the types of operations that produced the crude gum - Survey Unit #1, Georgia, season 1933-34

Types of operations	Number of operations[1]	Working crops	Production in naval stores units[2]	Average production per crop in naval stores units
Operator	175	1,677.5	74,850	45
Operator and farmer	11	50.3	1,790	36
Operator and gum-buyer	158	1,255.7	56,560	45
Operator and custom-stiller	52	278.8	10,890	39
Operator, gum-buyer and custom-stiller	96	487.6	19,670	40
Gum-producer-seller	7,854[3]	1,062.4[3]	38,630[3]	36
Gum-producer-shipper	609[3]	547.0[3]	21,080[3]	39
Total	8,955	5,359.3	223,470	42

[1] In addition to the 8,955 operations producing crude gum there were 13 operations that stilled gum produced by others but did not themselves work any timber.

[2] Totals rounded to nearest ten units for each class of operations.

[3] Estimated from information furnished by still operators.



Geographic location of Forest Survey unit one, Georgia.